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T070780

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3. Document Type: <table border="0"><tr><td><input type="checkbox"/> Letter</td><td>a. If letter or memo:</td></tr><tr><td><input type="checkbox"/> Memorandum</td><td>To:</td></tr><tr><td><input checked="" type="checkbox"/> Report</td><td>From:</td></tr><tr><td><input type="checkbox"/> Publication</td><td>Subject:</td></tr><tr><td><input type="checkbox"/> Other (Specify)</td><td></td></tr></table> <table border="0"><tr><td>b. If report:</td><td></td></tr><tr><td>Title:</td><td>Activity Report - Monitoring Unit</td></tr><tr><td></td><td>5/21/66 - 6/20/66</td></tr></table>			<input type="checkbox"/> Letter	a. If letter or memo:	<input type="checkbox"/> Memorandum	To:	<input checked="" type="checkbox"/> Report	From:	<input type="checkbox"/> Publication	Subject:	<input type="checkbox"/> Other (Specify)		b. If report:		Title:	Activity Report - Monitoring Unit		5/21/66 - 6/20/66
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6. Name and telephone number of person completing form: Anjan K. Majumder (208) 525-0206	7. Organization: Lockheed Idaho Technologies Co.	8. Date: May, 1995																

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HUMAN RADIATION EXPERIMENTS

RECORDS PROVENANCE FORM

REPOSITORY NAME	INEL
COLLECTION NAME	RADIOLOGICAL AND ENVIRONMENTAL SCIENCES LABORATORY, FILES OF DOUG CARLSON, DIRECTOR
BOX NUMBER	BOX #6
ADDITIONAL LOCATION INFORMATION	RESL, CFA-690 ROOM #191 FOLDER: ENVIRONMENTAL SCIENCES BRANCH MONTHLY REPORTS FOR THE YEARS 1966-1970
FILE TITLE	ACTIVITY REPORT - MONITORING UNIT 5/21/66 - 6/20/66
TOTAL PAGES	
BATE NUMBER RANGE	
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DOCUMENT NO.: T070780

DOCUMENT TITLE: ACTIVITY REPORT - MONITORING UNIT
5/21/66 - 6/20/66

CROSS REFERENCES:

ITEMS OF INTEREST:

Blair Johnson, Acting Chief
Health Physics Branch

June 22, 1966

George Ball, Health Physics Technician
Health Physics Branch

ACTIVITY REPORT - MONITORING UNIT
5/21/66 - 6/20/66

HSHP:GB

Fallout in Air: Gross beta activity detected at CF-690 averaged 2 pci/m³ during May 1966.

Radio Telemetry: Measurements of airborne gaseous and particulate beta-gamma emitters showed the following during May 1966.

Highest Average Concentration:

On-site	12 pci/m ³
Off-site	13 pci/m ³

Water Monitoring: Thirty three water samples were collected from 18 production wells on-site during May. The highest sample concentrations are listed below.

<u>Type Activity</u>	<u>pci/liter</u>	<u>percent RCG</u>
Alpha	4	< 1
Beta	10	< 1

Milk Monitoring: Sixteen milk samples collected from off-site locations showed no Iodine-131 activity above the detection limit of 20 pci/liter. Cesium-131 activity averaged 46 pci/liter. Strontium-90 activity in 12 samples ranged from 8 to 13 pci/liter with an average of 11 pci/liter for May.

Environmental Film: Environmental film badges collected from off-site locations showed no exposures above the detection limit of 10 mr gamma during May.

Special Activities: A proposal has been submitted to revise the off-site water monitoring program.

REPOSITORY INEC

COLLECTION RESL file of Doug Carlson, Ill.

BOX NO. #6 RESL CFA-690 Room #191

FILE folder: Envir Sciences B. Monthly Report 4/8. 1966-

SUBS
FOLDER Activity Report - Monitoring Unit

5/21/66 - 6/20/66

Blair Johnson

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Unit personnel participated in three CERT field release tests. Two on crested wheat south east of the ICPP and one at the EDF.

Eighteen spurious alarms in the telemetry system were recorded by AEC security patrolmen.

Telemetry stations #2 (EBR-1) and #21 (CFA) were located on Test Grid #3 during the CERT 10 release. Both stations observed activity during the release.

The results of air samples collected and analyzed for airborne alpha emitters have shown no detectable alpha activity since the sampling program was initiated on March 31, 1966.

OFFICE ▶	HSHP					
SURNAME ▶	GBall:sis					
DATE ▶	6/22/68					